



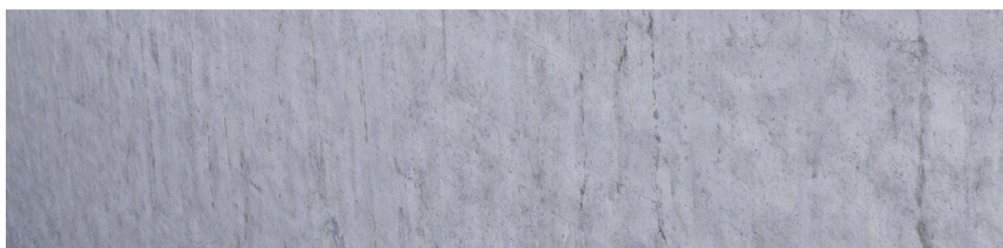
FOR PIPE PENETRATIONS UP
TO MEDIUM DIAMETERS

ArmaProtect FW3

Firestop wrap for fire seals in walls and
floors

- // Combustible pipes $\varnothing \leq 160\text{mm}$ (without combustible insulation)
- // Combustible pipes $\varnothing \leq 110\text{mm}$ (with combustible insulation)
- // Multi-layer composite pipes $\varnothing \leq 110\text{mm}$

www.armacell.in



 **armacell**[®]
ArmaProtect[®]

INSTALL IT. ENSURE SAFETY.

ArmaProtect™

Passive fire protection (PFP) products and systems are designed to provide fire-safe circumstances in the event of a fire emergency. Often built as part of the building component, PFP measures are not visible to building users and hence often overlooked as a fire protection measure.



// Fire safety is top priority

The requirements for fire protection are increasing. Regulated by building codes, buildings are sub-divided in fire compartments. In the event of a fire, they keep fire and smoke contained in a limited area for a given amount of time. Fire ratings typically range from 30 to 120 or even up to 240 minutes

ArmaProtect firestop products reliably seal off penetrations in walls, floors or service shafts and keep escape routes free of smoke and toxic gases. This gives occupants valuable time to leave the building and rescue teams unhindered access for evacuation.

// One-stop-shop solution

Whether flexible walls, rigid wall or rigid floors with cable and pipe penetrations – Armacell offers specifiers and installers compliant solutions for almost all firestop penetrations.

The range includes intumescent firestop wraps, firestop collars, coated firestop boards, intumescent firestop sealants and mortars.

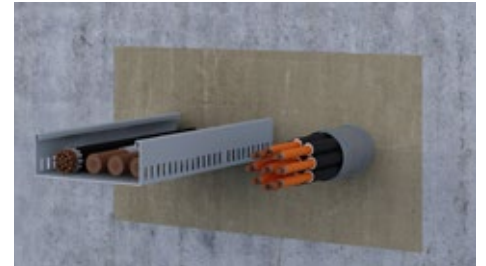
The ArmaProtect portfolio is an ideal addition to ArmaFlex Protect, Armacell's unique firestop solution which combines high fire resistance, condensation control and thermal insulation in a single product.

**SOLUTIONS
WITH EN TESTING
(ETA)**

The firestop portfolio from Armacell

Firestop penetration seals with cables, conduits, combustible and non-combustible pipes for residential, commercial and industrial building.

- ✓ Specifiable, reliable and flexible – **for each firestop application in residential, commercial and industrial buildings**
- ✓ Cost efficient solution – **the ideal choice for specifiers**
- ✓ Easy to install and maintain – **perfectly designed for the need of installers**
- ✓ Easy to inspect – **compliant solutions to fulfill the expectations of firestop inspectors**
- ✓ Firestop solutions for cable, pipe and mixed penetrations – **globally tested with European Technical Assessments and tested UL systems**
- ✓ Full approval range from small to large openings – **covering customer's requirement on the job sites**



ArmaProtect EXPS
Firestop sealant



ArmaProtect FW2 & FW3
Firestop wrap



ArmaProtect FC1 & FC2
Firestop collar



ArmaProtect CB
Coated firestop board
(includes **ArmaProtect ABLC**
Firestop coating and
ArmaProtect ABLF
Firestop filler mastic)



ArmaProtect CM
Firestop mortar



ArmaProtect CT
Firestop cable tube



ArmaProtect EFC1 & EFC2
Endless firestop collar

TECHNICAL DATA - ARMAPROTECT FW3

| | |
|----------------------|--|
| Brief description | ArmaProtect FW3 is a flexible firestop wrap. |
| Material type | Halogen-free intumescent material based on blowing graphite technology. |
| Product colour range | Dark red |
| Special features | Easy visual inspection, self-adhesive strip. |
| Product range | Firestop wrap roll with self-adhesive strip and dimensions of 12.5m x 50mm x 2mm. |
| Applications | Firestop wrap for fire seals in walls and floors for combustible pipes (with and without insulation) and multi-layer composite pipes. |
| Installation | For professional use only. Refer to third party published listings, national approvals / assessments and Armacell's product literature for specific application details as well as before handling this product. |

Specification compliance

| | |
|--------------------------|--|
| Specification compliance | <ul style="list-style-type: none"> ETA-21/1099 acc. EN 1366-3 |
|--------------------------|--|

| Property | Value / Assessment | Standard / Test method |
|---|---|------------------------|
| Operating temperature | | |
| Operating temperature | -40°C to 70°C (-40°F to 158°F) | |
| Processing Temperature | | |
| Processing temperature | 5°C to 25°C (41°F to 77°F) | |
| Fire Performance and Approvals | | |
| Reaction to fire | Class E | EN 13501-1 |
| Use category | Type X: intended for use in conditions exposed to weathering | EOTA TR 024 |
| Passive fire protection | | |
| Fire resistance of elements of construction | Drywall, concrete wall, aerated concrete wall, masonry wall: up to EI 120 Concrete floors: up to EI 240 | EN 13501-2 |
| Physical attributes | | |
| Density | 1.2 g/cm ³ ± 10% | |
| Mechanical properties | | |
| Expansion ratio | 18 to 38 times | |
| Health and environment | | |
| Health aspects | Please refer to the safety data sheet available on our website. | |
| Emission of dangerous substances | No dangerous substances. | ETAG 026-02 |
| Other technical features | | |
| Shelf life | No shelf life | |
| Storage | Store / Transport in a cool and dry place with an ambient temperature of 5 °C to 25 °C (41°F to 77°F) and protect from frost. | |

Firestop wrap

| Item | Description | Content [quantity] |
|---------------|---|--------------------|
| PRO-FW3-12.5M | ArmaProtect FW3 Firestop wrap (12,5 m x 50 mm x 2 mm) | 1 piece |

Accessories

| Item | Description | Content [quantity] | Content [quantity] |
|------------|--|--------------------|--------------------|
| PRO-ID-SET | ArmaProtect ID identification plate set. 14 pieces in a set. | 70 piece | 5 set |

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ArmaProtect | ArmaProtect FW3 | Brochure | 012024 | en-IN

ABOUT ARMACELL

As the inventor of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal and mechanical solutions that create sustainable value for its customers. Armacell's products significantly contribute to global energy efficiency making a difference around the world every day. With more than 3,300 employees and 27 production plants in 19 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams. Armacell focuses on insulation materials for technical equipment, high-performance foams for acoustic and lightweight applications, recycled PET products, next-generation aerogel technology and passive fire protection systems.



For more information, please visit:
www.armacell.com